

US-PAT-NO: 4538180

DOCUMENT-IDENTIFIER: US 4538180 A

TITLE: System for non linearity correction
by intermediate frequency premodulation in television
equipment

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Detailed Description Text - DETX (16):

More generally, a correction system using several cells tuned to different carrier frequencies permits an adjustment, independently of the group delay time, of the amplitude and the phase of each of these carriers and control of the correction to be used for each of them for each of these parameters. At present, transmitting and re-transmitting equipment use several group delay time correction cells whose poles are spaced apart in the frequency band, so as to linearize the phase and to make the group delay time constant in the whole of the transmission band.

US-PAT-NO: 6324490

DOCUMENT-IDENTIFIER: US 6324490 B1

TITLE: Monitoring system and method for a
fiber processing apparatus

DATE-ISSUED: November 27, 2001

US-CL-CURRENT: 702/184, 700/108 , 700/110 , 702/182 ,
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APPL-NO: 09/ 237340

DATE FILED: January 25, 1999

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Detailed Description Text - DETX (37):

FIG. 6 illustrates an exemplary plot of points of, indicated by reference numeral 132, of a set of data, P, versus apparatus operating time where there are variations in apparatus performance not due to plate wear. A representative line 134 fitted to the points, such as by using the method of least squares or by piecewise linearization, shows that the slope of the line 134 is not negative, i.e. not downward, or not sufficiently negative over time indicating any variations in apparatus performance are not due to plate wear. When a newly installed plate first begins operation, a set of such data is stored and analyzed to provide a benchmark against which later data sets are compared. Although line 134 appears to slope slightly upwardly over time a line at or about startup of a newly installed plate is generally horizontal or generally parallel to the x-axis, in this case the time

axis.

Detailed Description Text - DETX (49):

Therefore, linear regression or piecewise linearization preferably is performed on the data set to obtain the slope, b , of a line fitted to the data set of a particular apparatus. In one preferred implementation, if the slope, b , becomes negative, a plate change recommendation 126 is made. In another preferred implementation, if the slope, b , changes more than about 10% from the threshold, a plate change recommendation is generated. For example, if the slope, b , changes more than about 10% from a baseline slope measurement or from the slope of the most recent slope determination, the plate change recommendation is made.